ELSEVIER

Solar Energy Materials and Solar Cells 33 (1994) 535–538

Solar Energy Materials and Solar Cells

Author Index Volume 33

Al-Bassam, A.A.I., see Al-Dhafiri, A.M. 33 (1994) 177
Al-Dhafiri, A.M. and A.A.I. Al-Bassam, The mechanism of the oxygen annealing in gold surface barriers on CdS_xSe_{1-x} devices 33 (1994) 177
Ameziane, E.L., see Debbagh, F. 33 (1994) 117
Ameziane, E.L., see Ech-chamikh, E. 33 (1994) 361
Ameziane, E.L., see Ech-chamikh, E. 33 (1994) 443
Anderson, W.A., see Yi, J. 33 (1994) 145
Araújo, G.L. and A. Martí, Absolute limiting efficiencies for photovoltaic energy conversion 33 (1994) 213
Azizan, M., see Debbagh, F. 33 (1994) 117
Azizan, M., see Ech-chamikh, E. 33 (1994) 361
Azizan, M., see Ech-chamikh, E. 33 (1994) 443

Bailey, S.G., see Jenkins, P. 33 (1994) 125
Barlow, F., M.A. Naby, A. Joshi and A. Elshabini-Riad, Comprehensive evaluation of ITO thick films produced under optimum annealing conditions 33 (1994) 63
Barua, A.K., see Ray, S. 33 (1994) 517
Basu, P.K. and S.N. Singh, On the determination of minority carrier diffusion length in the base region of n^+-p-p^+ silicon solar cells using photoresponse methods 33 (1994) 317
Bendig, J., see Ross, H. 33 (1994) 475
Bennouna, A., see Ech-chamikh, E. 33 (1994) 361
Bennouna, A., see Ech-chamikh, E. 33 (1994) 443
Binder, G., see Schön, J.H. 33 (1994) 403
Bobrenko, Yu.N., V.V. Kislyuk, K.V. Kolezhuk, V.N. Komashchenko, S.Yu. Pavelets and T.E. Shengeliya, II–VI thin-film polycrystalline multilayer converters for solar photovoltaics 33 (1994) 83
Bounouh, Y., see Ech-chamikh, E. 33 (1994) 361
Bounouh, Y., see Ech-chamikh, E. 33 (1994) 443
Brunel, M., see Debbagh, F. 33 (1994) 117
Bucher, E., see Kirchner, R. 33 (1994) 453
Bucher, E., see Schön, J.H. 33 (1994) 403
Butylkina, N.A., see Katz, E.A. 33 (1994) 51

Cardoner, F., see Font, J. 33 (1994) 169
Cernogora, J., see Ech-chamikh, E. 33 (1994) 361
Cernogora, J., see Ech-chamikh, E. 33 (1994) 443
Chattopadhyay, K.K., see Pal, R. 33 (1994) 241
Chaudhuri, S., see Pal, R. 33 (1994) 241

Datta, S.K., K. Mukhopadhyay, P.K. Pal and H. Saha, Analysis of thin silicon solar cells for high efficiency 33 (1994) 483
Davies, P.A. and A. Luque, Solar thermophotovoltaics: brief review and a new look 33 (1994) 11

De, A., see Ray, S. 33 (1994) 517
Debbagh, F., E.L. Ameziane, M. Azizan and M. Brunel, Structural and electrical properties of RF sputtered Cu/Te/CdTe contact 33 (1994) 117
Delley, B. and H. Kiess, 2-Dimensional simulation of high efficiency silicon solar cells 33 (1994) 1
De Paoli, M.-A., see Polo da Fonseca, C.N. 33 (1994) 73
Deroo, D., see Kéomany, D. 33 (1994) 429
Dilmaç, S. and F. Tepehan, The effect of the inner structure on the absorptance of cement based exterior coatings 33 (1994) 199
Doeff, M.M., see Lampert, C.M. 33 (1994) 91

Ech-chamikh, E., E.L. Ameziane, A. Bennouna, M. Azizan, Y. Bounouh, M.L. Thèye, J. Cernogora and J.L. Fave, Optical and structural properties of RF sputtered a-C:H films 33 (1994) 361
Ech-chamikh, E., E.L. Ameziane, M. Azizan, A. Bennouna, J.L. Fave, J. Cernogora, Y. Bounouh and M.L. Thèye, Structural, electrical and optical properties of RF sputtered a-C films 33 (1994) 443
Elshabini-Riad, A., see Barlow, F. 33 (1994) 63
Evtody, B.N., see Katz, E.A. 33 (1994) 51

Fatemi, N.S., see Jenkins, P. 33 (1994) 125
Fave, J.L., see Ech-chamikh, E. 33 (1994) 443
Fave, J.L., see Ech-chamikh, E. 33 (1994) 361
Fernando, C.A.N., A. Kitagawa, M. Suzuki, K. Takahashi and T. Komura, Photoelectrochemical properties of rhodamine-C_{18} sensitized p-CuSCN photoelectrochemical cell (PEC) 33 (1994) 301
Font, J., J. Muntasell and F. Cardoner, Preliminary study of a heat storage unit using a solid–solid transition 33 (1994) 169

Gavarri, J.R., see Valmalette, J.C. 33 (1994) 135
Gavrilina, A., see Koltun, M. 33 (1994) 41
Ghosh, S., see Ray, S. 33 (1994) 517
Giron, J.-C., see Lampert, C.M. 33 (1994) 91
Goggin, R., see Schissel, P. 33 (1994) 183
Gorenstein, A., see Polo da Fonseca, C.N. 33 (1994) 73
Gukhman, G., see Koltun, M. 33 (1994) 41

Harihar, G. and G. Prabhakara Rao, Novel photochemical/photoelectrochemical systems based on metal hexacyanoferrates 33 (1994) 499
He, Y., see Lampert, C.M. 33 (1994) 91
Hecht, S., see Ross, H. 33 (1994) 475
Hishikawa, Y. and S. Okamoto, Dependence of the *I–V* characteristics of amorphous silicon solar cells on illumination intensity and temperature 33 (1994) 157

Janssen, G.J.M., see Mijnarends, P.E. 33 (1994) 345
Jenkins, P., G.A. Landis, N.S. Fatemi, D. Scheiman, X. Li and S.G. Bailey, An InP solar cell with a light-trapping front surface 33 (1994) 125
John, S. and S. Santhi, Electroplated cobalt–cadmium selective solar absorbers 33 (1994) 505
Jorgensen, C., see Reisfeld, R. 33 (1994) 417
Jorgensen, G., see Schissel, P. 33 (1994) 183
Joshi, A., see Barlow, F. 33 (1994) 63

Kabakov, V.I. and L.B. Levin, A choice of the position of receiver with photocells in parabolic trough concentrator 33 (1994) 45
Katz, E.A., A.E. Luk'yanov, N.A. Butylkina and B.N. Evtody, SEM investigation of structural defect hydrogen passivation in silicon 33 (1994) 51

Kennedy, C., see Schissel, P. 33 (1994) 183
Kéomany, D., C. Poinsignon and D. Deroo, Sol gel preparation of mixed cerium–titanium oxide thin films 33 (1994) 429
Kiess, H., see Delley, B. 33 (1994) 1
Kirchner, R., M.Ch. Lux-Steiner, E. Liebemann and E. Bucher, Computations of the optical properties of metal/insulator-multilayers for solar thermal applications 33 (1994) 453
Kislyuk, V.V., see Bobrenko, Yu.N. 33 (1994) 83
Kitagawa, A., see Fernando, C.A.N. 33 (1994) 301
Kolezhuk, K.V., see Bobrenko, Yu.N. 33 (1994) 83
Kolodinski, S., J.H. Werner and H.J. Queisser, Quantum efficiencies exceeding unity in silicon leading to novel selection principles for solar cell materials 33 (1994) 275
Koltun, M., G. Gukhman and A. Gavrilina, Stable selective coating "black nickel" for solar collector surfaces 33 (1994) 41
Koltun, M.M., Solar cells and batteries with unusual selective coatings for combined supply of heat and electricity by solar power stations 33 (1994) 31
Komashchenko, V.N., see Bobrenko, Yu.N. 33 (1994) 83
Komura, T., see Fernando, C.A.N. 33 (1994) 301

Lampert, C.M., S.J. Visco, M.M. Doeff, Y.P. Ma, Y. He and J.-C. Giron, Characteristics of laminated electrochromic devices using polyorganodisulfide electrodes 33 (1994) 91
Landis, G.A., see Jenkins, P. 33 (1994) 125
Levin, L.B., see Kabakov, V.I. 33 (1994) 45
Li, J., Novel Silicon Solar Cell Research Program 33 (1994) 107
Li, X., see Jenkins, P. 33 (1994) 125
Liebemann, E., see Kirchner, R. 33 (1994) 453
Luk'yanov, A.E., see Katz, E.A. 33 (1994) 51
Luque, A., see Davies, P.A. 33 (1994) 11
Lux-Steiner, M.Ch., see Kirchner, R. 33 (1994) 453

Ma, Y.P., see Lampert, C.M. 33 (1994) 91
Martí, A., see Araújo, G.L. 33 (1994) 213
Mijnarends, P.E., G.J.M. Janssen and W.C. Sinke, The effect of material inhomogeneities on the characteristics of semicrystalline silicon solar cells: the second diode 33 (1994) 345
Mukhopadhyay, K., see Datta, S.K. 33 (1994) 483
Muntasell, J., see Font, J. 33 (1994) 169

Naby, M.A., see Barlow, F. 33 (1994) 63

Oelher, U. and W. Scheffler, The use of indigenous materials for solar conversion 33 (1994) 379
Okamoto, S., see Hishikawa, Y. 33 (1994) 157

Pal, A.K., see Pal, R. 33 (1994) 241
Pal, P.K., see Datta, S.K. 33 (1994) 483
Pal, R., K.K. Chattopadhyay, S. Chaudhuri and A.K. Pal, Photoconductivity in $CuInSe_2$ films 33 (1994) 241
Palmer, J., see Yi, J. 33 (1994) 145
Patil, P.R., see Patil, P.S. 33 (1994) 293
Patil, P.S. and P.R. Patil, Photoelectrochemical characterization of sprayed tungsten oxide thin films 33 (1994) 293
Pavelets, S.Yu., see Bobrenko, Yu.N. 33 (1994) 83
Poinsignon, C., see Kéomany, D. 33 (1994) 429
Polo da Fonseca, C.N., M.-A. De Paoli and A. Gorenstein, Electrochromism in cobalt oxide thin films grown by anodic electroprecipitation 33 (1994) 73

Poulek, V., New low cost solar tracker 33 (1994) 287
Prabhakara Rao, G., see Harihar, G. 33 (1994) 499

Queisser, H.J., see Kolodinski, S. 33 (1994) 275
Quintana, J. and P.J. Sebastian, The influence of various substrate treatments on morphology and selective absorber characteristics of electrochemical black chrome 33 (1994) 465

Ramachandraiah, G., see Rao, N.N. 33 (1994) 331
Rao, N.N. and G. Ramachandraiah, Polycrystalline n-$CuInSe_2$ photoelectrochemical solar cells — Electrochemistry and deposition of copper and indium at the photoanode and the accompanying efficiency enhancement 33 (1994) 331
Ray, S., S. Ghosh, A. De and A.K. Barua, Improved quality a-SiC:H films prepared by photo chemical vapour decomposition of silane and acetylene 33 (1994) 517
Reisfeld, R., D. Shamrakov and C. Jorgensen, Photostable solar concentrators based on fluorescent glass films 33 (1994) 417
Reuter, H. and H. Schmitt, On the efficiency of photon recycling in solar cells 33 (1994) 369
Ross, H., J. Bendig and S. Hecht, Sensitized photocatalytical oxidation of terbutylazine 33 (1994) 475

Saha, H., see Datta, S.K. 33 (1994) 483
Santhi, S., see John, S. 33 (1994) 505
Scheffler, W., see Oelher, U. 33 (1994) 379
Scheiman, D., see Jenkins, P. 33 (1994) 125
Schissel, P., G. Jorgensen, C. Kennedy and R. Goggin, Silvered-PMMA reflectors 33 (1994) 183
Schmitt, H., see Reuter, H. 33 (1994) 369
Schön, J.H., G. Binder and E. Bucher, Performance and stability of some new high-temperature selective absorber systems based on metal/dielectric multilayers 33 (1994) 403
Sebastian, P.J., see Quintana, J. 33 (1994) 465
Shamrakov, D., see Reisfeld, R. 33 (1994) 417
Shengeliya, T.E., see Bobrenko, Yu.N. 33 (1994) 83
Singh, S.N., see Basu, P.K. 33 (1994) 317
Sinke, W.C., see Mijnarends, P.E. 33 (1994) 345
Suzuki, M., see Fernando, C.A.N. 33 (1994) 301

Takahashi, K., see Fernando, C.A.N. 33 (1994) 301
Tepehan, F., see Dilmaç, S. 33 (1994) 199
Thèye, M.L., see Ech-chamikh, E. 33 (1994) 361
Thèye, M.L., see Ech-chamikh, E. 33 (1994) 443

Valmalette, J.C. and J.R. Gavarri, Vanadium dioxide/polymer composites: thermochromic behaviour and modelling of optical transmittance 33 (1994) 135
van Dijk, H.A.L., see Zeegers, J. 33 (1994) 23
Visco, S.J., see Lampert, C.M. 33 (1994) 91

Wallace, R., see Yi, J. 33 (1994) 145
Werner, J.H., see Kolodinski, S. 33 (1994) 275

Yi, J., R. Wallace, J. Palmer and W.A. Anderson, Thin film amorphous and microcrystalline Si for solar cells 33 (1994) 145

Zeegers, J. and H.A.L. van Dijk, A note on the net radiation method applied to a system composed of a semitransparent film between two glazings 33 (1994) 23

ELSEVIER

Solar Energy Materials and Solar Cells 33 (1993) 539–552

Solar Energy Materials and Solar Cells

Subject Index Volume 33

Amorphous materials, general

Sol gel preparation of mixed cerium–titanium oxide thin films, D. Kéomany, C. Poinsignon and D. Deroo 33 (1994) 429

Amorphous semiconductors

Optical and structural properties of RF sputtered a-C:H films, E. Ech-chamikh, E.L. Ameziane, A. Bennouna, M. Azizan, Y. Bounouh, M.L. Thèye, J. Cernogora and J.L. Fave 33 (1994) 361

Amorphous silicon, hydrogenated amorphous Si, general material properties

Thin film amorphous and microcrystalline Si for solar cells, J. Yi, R. Wallace, J. Palmer and W.A. Anderson 33 (1994) 145

Amorphous silicon, hydrogenated amorphous Si, general solar cell properties and device physics

Thin film amorphous and microcrystalline Si for solar cells, J. Yi, R. Wallace, J. Palmer and W.A. Anderson 33 (1994) 145

Dependence of the *I–V* characteristics of amorphous silicon solar cells on illumination intensity and temperature, Y. Hishikawa and S. Okamoto 33 (1994) 157

Amorphous silicon, hydrogenated amorphous Si, optical studies in stability

Thin film amorphous and microcrystalline Si for solar cells, J. Yi, R. Wallace, J. Palmer and W.A. Anderson 33 (1994) 145

Amorphous silicon carbide alloys

Improved quality a-SiC:H films prepared by photo chemical vapour decomposition of silane and acetylene, S. Ray, S. Ghosh, A. De and A.K. Barua 33 (1994) 517

Annealing

Comprehensive evaluation of ITO thick films produced under optimum annealing conditions, F. Barlow, M.A. Naby, A. Joshi and A. Elshabini-Riad 33 (1994) 63

Thin film amorphous and microcrystalline Si for solar cells, J. Yi, R. Wallace, J. Palmer and W.A. Anderson 33 (1994) 145

The mechanism of the oxygen annealing in gold surface barriers on CdS_xSe_{1-x} devices, A.M. Al-Dhafiri and A.A.I. Al-Bassam 33 (1994) 177

Antireflection coatings

Analysis of thin silicon solar cells for high efficiency, S.K. Datta, K. Mukhopadhyay, P.K. Pal and H. Saha 33 (1994) 483

Auger effect

Quantum efficiencies exceeding unity in silicon leading to novel selection principles for solar cell materials, S. Kolodinski, J.H. Werner and H.J. Queisser 33 (1994) 275

Cadmium compounds

The mechanism of the oxygen annealing in gold surface barriers on CdS_xSe_{1-x} devices, A.M. Al-Dhafiri and A.A.I. Al-Bassam 33 (1994) 177

Cadmium sulfide, CdS

Structural and electrical properties of RF sputtered Cu/Te/CdTe contact, F. Debbagh, E.L. Ameziane, M. Azizan and M. Brunel 33 (1994) 117

Cadmium telluride, CdTe

Structural and electrical properties of RF sputtered Cu/Te/CdTe contact, F. Debbagh, E.L. Ameziane, M. Azizan and M. Brunel 33 (1994) 117

Catalysis

Sensitized photocatalytical oxidation of terbutylazine, H. Ross, J. Bendig and S. Hecht 33 (1994) 475

Chalcopyrite compounds

Polycrystalline n-$CuInSe_2$ photoelectrochemical solar cells — Electrochemistry and deposition of copper and indium at the photoanode and the accompanying efficiency enhancement, N.N. Rao and G. Ramachandraiah 33 (1994) 331

Chemical vapour deposition

Improved quality a-SiC:H films prepared by photo chemical vapour decomposition of silane and acetylene, S. Ray, S. Ghosh, A. De and A.K. Barua 33 (1994) 517

Chromium

The influence of various substrate treatments on morphology and selective absorber characteristics of electrochemical black chrome, J. Quintana and P.J. Sebastian 33 (1994) 465

Coating techniques

Sol gel preparation of mixed cerium–titanium oxide thin films, D. Kéomany, C. Poinsignon and D. Deroo 33 (1994) 429

Cobalt oxides and sulfides, CoO, Co_3O_4, CoS

Electrochromism in cobalt oxide thin films grown by anodic electroprecipitation, C.N. Polo da Fonseca, M.-A. De Paoli and A. Gorenstein 33 (1994) 73

Concentrated solar radiation

A choice of the position of receiver with photocells in parabolic trough concentrator, V.I. Kabakov and L.B. Levin 33 (1994) 45
On the efficiency of photon recycling in solar cells, H. Reuter and H. Schmitt 33 (1994) 369
Photostable solar concentrators based on fluorescent glass films, R. Reisfeld, D. Shamrakov and C. Jorgensen 33 (1994) 417
Computations of the optical properties of metal/insulator-multilayers for solar thermal applications, R. Kirchner, M.Ch. Lux-Steiner, E. Liebemann and E. Bucher 33 (1994) 453

Conversion efficiency

2-Dimensional simulation of high efficiency silicon solar cells, B. Delley and H. Kiess 33 (1994) 1
Absolute limiting efficiencies for photovoltaic energy conversion, G.L. Araújo and A. Martí 33 (1994) 213
Quantum efficiencies exceeding unity in silicon leading to novel selection principles for solar cell materials, S. Kolodinski, J.H. Werner and H.J. Queisser 33 (1994) 275
Photostable solar concentrators based on fluorescent glass films, R. Reisfeld, D. Shamrakov and C. Jorgensen 33 (1994) 417
Analysis of thin silicon solar cells for high efficiency, S.K. Datta, K. Mukhopadhyay, P.K. Pal and H. Saha 33 (1994) 483

Concentrators

A choice of the position of receiver with photocells in parabolic trough concentrator, V.I. Kabakov and L.B. Levin 33 (1994) 45
New low cost solar tracker, V. Poulek 33 (1994) 287
Photostable solar concentrators based on fluorescent glass films, R. Reisfeld, D. Shamrakov and C. Jorgensen 33 (1994) 417

Copper compounds

Structural and electrical properties of RF sputtered Cu/Te/CdTe contact, F. Debbagh, E.L. Ameziane, M. Azizan and M. Brunel 33 (1994) 117
Photoelectrochemical properties of rhodamine-C_{18} sensitized p-CuSCN photoelectrochemical cell (PEC), C.A.N. Fernando, A. Kitagawa, M. Suzuki, K. Takahashi and T. Komura 33 (1994) 301

Copper indium selenide, $CuInSe_2$

Photoconductivity in $CuInSe_2$ films, R. Pal, K.K. Chattopadhyay, S. Chaudhuri and A.K. Pal 33 (1994) 241
Polycrystalline n-$CuInSe_2$ photoelectrochemical solar cells — Electrochemistry and deposition of copper and indium at the photoanode and the accompanying efficiency enhancement, N.N. Rao and G. Ramachandraiah 33 (1994) 331

Copper sulfide, Cu_2S, Cu_xS

II–VI thin-film polycrystalline multilayer converters for solar photovoltaics, Yu.N. Bobrenko, V.V. Kislyuk, K.V. Kolezhuk, V.N. Komashchenko, S.Yu. Pavelets and T.E. Shengeliya 33 (1994) 83

Crystal microstructure

SEM investigation of structural defect hydrogen passivation in silicon, E.A. Katz, A.E. Luk'yanov, N.A. Butylkina and B.N. Evtody 33 (1994) 51
Improved quality a-SiC:H films prepared by photo chemical vapour decomposition of silane and acetylene, S. Ray, S. Ghosh, A. De and A.K. Barua 33 (1994) 517

Crystalline silicon, cells and related coatings

2-Dimensional simulation of high efficiency silicon solar cells, B. Delley and H. Kiess 33 (1994) 1
SEM investigation of structural defect hydrogen passivation in silicon, E.A. Katz, A.E. Luk'yanov, N.A. Butylkina and B.N. Evtody 33 (1994) 51
Quantum efficiencies exceeding unity in silicon leading to novel selection principles for solar cell materials, S. Kolodinski, J.H. Werner and H.J. Queisser 33 (1994) 275
On the determination of minority carrier diffusion length in the base region of n^+-p-p^+ silicon solar cells using photoresponse methods, P.K. Basu and S.N. Singh 33 (1994) 317
Analysis of thin silicon solar cells for high efficiency, S.K. Datta, K. Mukhopadhyay, P.K. Pal and H. Saha 33 (1994) 483

Current–voltage measurements

Characteristics of laminated electrochromic devices using polyorganodisulfide electrodes, C.M. Lampert, S.J. Visco, M.M. Doeff, Y.P. Ma, Y. He and J.-C. Giron 33 (1994) 91
Dependence of the *I–V* characteristics of amorphous silicon solar cells on illumination intensity and temperature, Y. Hishikawa and S. Okamoto 33 (1994) 157
Photoelectrochemical characterization of sprayed tungsten oxide thin films, P.S. Patil and P.R. Patil 33 (1994) 293
The effect of material inhomogeneities on the characteristics of semicrystalline silicon solar cells: the second diode, P.E. Mijnarends, G.J.M. Janssen and W.C. Sinke 33 (1994) 345

Efficiency

Absolute limiting efficiencies for photovoltaic energy conversion, G.L. Araújo and A. Martí 33 (1994) 213
On the efficiency of photon recycling in solar cells, H. Reuter and H. Schmitt 33 (1994) 369

Electrical conductivity of amorphous semiconductors

Structural, electrical and optical properties of RF sputtered a-C films, E. Echchamikh, E.L. Ameziane, M. Azizan, A. Bennouna, J.L. Fave, J. Cernogora, Y. Bounouh and M.L. Thèye 33 (1994) 443

Electrical properties

On the determination of minority carrier diffusion length in the base region of n^+-p-p^+ silicon solar cells using photoresponse methods, P.K. Basu and S.N. Singh 33 (1994) 317

Electrochemical electrodes

Characteristics of laminated electrochromic devices using polyorganodisulfide electrodes, C.M. Lampert, S.J. Visco, M.M. Doeff, Y.P. Ma, Y. He and J.-C. Giron 33 (1994) 91

Electrochemistry

Polycrystalline n-$CuInSe_2$ photoelectrochemical solar cells — Electrochemistry and deposition of copper and indium at the photoanode and the accompanying efficiency enhancement, N.N. Rao and G. Ramachandraiah 33 (1994) 331

Electrochromism

Electrochromism in cobalt oxide thin films grown by anodic electroprecipitation, C.N. Polo da Fonseca, M.-A. De Paoli and A. Gorenstein 33 (1994) 73
Characteristics of laminated electrochromic devices using polyorganodisulfide electrodes, C.M. Lampert, S.J. Visco, M.M. Doeff, Y.P. Ma, Y. He and J.-C. Giron 33 (1994) 91
Sol gel preparation of mixed cerium–titanium oxide thin films, D. Kéomany, C. Poinsignon and D. Deroo 33 (1994) 429

Electrodeposition

The influence of various substrate treatments on morphology and selective absorber characteristics of electrochemical black chrome, J. Quintana and P.J. Sebastian 33 (1994) 465

Emissivity

A note on the net radiation method applied to a system composed of a semitransparent film between two glazings, J. Zeegers and H.A.L. van Dijk 33 (1994) 23
Performance and stability of some new high-temperature selective absorber systems based on metal/dielectric multilayers, J.H. Schön, G. Binder and E. Bucher 33 (1994) 403
Computations of the optical properties of metal/insulator-multilayers for solar thermal applications, R. Kirchner, M.Ch. Lux-Steiner, E. Liebemann and E. Bucher 33 (1994) 453

The influence of various substrate treatments on morphology and selective absorber characteristics of electrochemical black chrome, J. Quintana and P.J. Sebastian 33 (1994) 465

Energy gap

Structural, electrical and optical properties of RF sputtered a-C films, E. Echchamikh, E.L. Ameziane, M. Azizan, A. Bennouna, J.L. Fave, J. Cernogora, Y. Bounouh and M.L. Thèye 33 (1994) 443

Environmental degradation and testing

Sensitized photocatalytical oxidation of terbutylazine, H. Ross, J. Bendig and S. Hecht 33 (1994) 475

Fluorescent materials and photoluminescence

Photostable solar concentrators based on fluorescent glass films, R. Reisfeld, D. Shamrakov and C. Jorgensen 33 (1994) 417

Furnaces

The use of indigenous materials for solar conversion, U. Oelher and W. Scheffler 33 (1994) 379

Glazings, plastics and glass

A note on the net radiation method applied to a system composed of a semitransparent film between two glazings, J. Zeegers and H.A.L. van Dijk 33 (1994) 23

Grain boundaries and size

SEM investigation of structural defect hydrogen passivation in silicon, E.A. Katz, A.E. Luk'yanov, N.A. Butylkina and B.N. Evtody 33 (1994) 51
Photoconductivity in $CuInSe_2$ films, R. Pal, K.K. Chattopadhyay, S. Chaudhuri and A.K. Pal 33 (1994) 241

Heat mirror coatings and transparent conductors

Vanadium dioxide/polymer composites: thermochromic behaviour and modelling of optical transmittance, J.C. Valmalette and J.R. Gavarri 33 (1994) 135

Heat transfer

A note on the net radiation method applied to a system composed of a semitransparent film between two glazings, J. Zeegers and H.A.L. van Dijk 33 (1994) 23
A choice of the position of receiver with photocells in parabolic trough concentrator, V.I. Kabakov and L.B. Levin 33 (1994) 45
Preliminary study of a heat storage unit using a solid–solid transition, J. Font, J. Muntasell and F. Cardoner 33 (1994) 169

I–V characteristics

Polycrystalline n-$CuInSe_2$ photoelectrochemical solar cells — Electrochemistry and deposition of copper and indium at the photoanode and the accompanying efficiency enhancement, N.N. Rao and G. Ramachandraiah 33 (1994) 331
The effect of material inhomogeneities on the characteristics of semicrystalline silicon solar cells: the second diode, P.E. Mijnarends, G.J.M. Janssen and W.C. Sinke 33 (1994) 345

II–VI semiconductors

II–VI thin-film polycrystalline multilayer converters for solar photovoltaics, Yu.N. Bobrenko, V.V. Kislyuk, K.V. Kolezhuk, V.N. Komashchenko, S.Yu. Pavelets and T.E. Shengeliya 33 (1994) 83
The mechanism of the oxygen annealing in gold surface barriers on CdS_xSe_{1-x} devices, A.M. Al-Dhafiri and A.A.I. Al-Bassam 33 (1994) 177

Indium phosphide, InP

An InP solar cell with a light-trapping front surface, P. Jenkins, G.A. Landis, N.S. Fatemi, D. Scheiman, X. Li and S.G. Bailey 33 (1994) 125

Indium tin oxide, In_2O_3: Sn

Comprehensive evaluation of ITO thick films produced under optimum annealing conditions, F. Barlow, M.A. Naby, A. Joshi and A. Elshabini-Riad 33 (1994) 63
Electrochromism in cobalt oxide thin films grown by anodic electroprecipitation, C.N. Polo da Fonseca, M.-A. De Paoli and A. Gorenstein 33 (1994) 73

Light trapping (concentration)

An InP solar cell with a light-trapping front surface, P. Jenkins, G.A. Landis, N.S. Fatemi, D. Scheiman, X. Li and S.G. Bailey 33 (1994) 125
On the efficiency of photon recycling in solar cells, H. Reuter and H. Schmitt 33 (1994) 369

Measurements, absorptance, emittance and reflectance

The effect of the inner structure on the absorptance of cement based exterior coatings, S. Dilmaç and F. Tepehan 33 (1994) 199

Minority carriers

On the determination of minority carrier diffusion length in the base region of n^+-p-p^+ silicon solar cells using photoresponse methods, P.K. Basu and S.N. Singh 33 (1994) 317

Mirrors

Silvered-PMMA reflectors, P. Schissel, G. Jorgensen, C. Kennedy and R. Goggin 33 (1994) 183
On the efficiency of photon recycling in solar cells, H. Reuter and H. Schmitt 33 (1994) 369

Optical films

A note on the net radiation method applied to a system composed of a semitransparent film between two glazings, J. Zeegers and H.A.L. van Dijk 33 (1994) 23
Silvered-PMMA reflectors, P. Schissel, G. Jorgensen, C. Kennedy and R. Goggin 33 (1994) 183

Optical properties

Comprehensive evaluation of ITO thick films produced under optimum annealing conditions, F. Barlow, M.A. Naby, A. Joshi and A. Elshabini-Riad 33 (1994) 63
Characteristics of laminated electrochromic devices using polyorganodisulfide electrodes, C.M. Lampert, S.J. Visco, M.M. Doeff, Y.P. Ma, Y. He and J.-C. Giron 33 (1994) 91
Optical and structural properties of RF sputtered a-C:H films, E. Ech-chamikh, E.L. Ameziane, A. Bennouna, M. Azizan, Y. Bounouh, M.L. Thèye, J. Cernogora and J.L. Fave 33 (1994) 361
Performance and stability of some new high-temperature selective absorber systems based on metal/dielectric multilayers, J.H. Schön, G. Binder and E. Bucher 33 (1994) 403
Structural, electrical and optical properties of RF sputtered a-C films, E. Ech-chamikh, E.L. Ameziane, M. Azizan, A. Bennouna, J.L. Fave, J. Cernogora, Y. Bounouh and M.L. Thèye 33 (1994) 443

Optics

Solar thermophotovoltaics: brief review and a new look, P.A. Davies and A. Luque 33 (1994) 11
New low cost solar tracker, V. Poulek 33 (1994) 287

p–n heterojunctions

II–VI thin-film polycrystalline multilayer converters for solar photovoltaics, Yu.N. Bobrenko, V.V. Kislyuk, K.V. Kolezhuk, V.N. Komashchenko, S.Yu. Pavelets and T.E. Shengeliya 33 (1994) 83

Passivation

SEM investigation of structural defect hydrogen passivation in silicon, E.A. Katz, A.E. Luk'yanov, N.A. Butylkina and B.N. Evtody 33 (1994) 51

Photochemistry

Sensitized photocatalytical oxidation of terbutylazine, H. Ross, J. Bendig and S. Hecht 33 (1994) 475

Photoconductivity

Dependence of the *I–V* characteristics of amorphous silicon solar cells on illumination intensity and temperature, Y. Hishikawa and S. Okamoto 33 (1994) 157

Photocurrent

Photoelectrochemical properties of rhodamine-C_{18} sensitized p-CuSCN photoelectrochemical cell (PEC), C.A.N. Fernando, A. Kitagawa, M. Suzuki, K. Takahashi and T. Komura 33 (1994) 301
On the determination of minority carrier diffusion length in the base region of n^+-p-p^+ silicon solar cells using photoresponse methods, P.K. Basu and S.N. Singh 33 (1994) 317

Photoelectrochemical cells

Photoelectrochemical characterization of sprayed tungsten oxide thin films, P.S. Patil and P.R. Patil 33 (1994) 293
Photoelectrochemical properties of rhodamine-C_{18} sensitized p-CuSCN photoelectrochemical cell (PEC), C.A.N. Fernando, A. Kitagawa, M. Suzuki, K. Takahashi and T. Komura 33 (1994) 301
Polycrystalline n-$CuInSe_2$ photoelectrochemical solar cells — Electrochemistry and deposition of copper and indium at the photoanode and the accompanying efficiency enhancement, N.N. Rao and G. Ramachandraiah 33 (1994) 331

Photoluminescence

Optical and structural properties of RF sputtered a-C:H films, E. Ech-chamikh, E.L. Ameziane, A. Bennouna, M. Azizan, Y. Bounouh, M.L. Thèye, J. Cernogora and J.L. Fave 33 (1994) 361

Photovoltaic effects

II–VI thin-film polycrystalline multilayer converters for solar photovoltaics, Yu.N. Bobrenko, V.V. Kislyuk, K.V. Kolezhuk, V.N. Komashchenko, S.Yu. Pavelets and T.E. Shengeliya 33 (1994) 83
Dependence of the *I–V* characteristics of amorphous silicon solar cells on illumination intensity and temperature, Y. Hishikawa and S. Okamoto 33 (1994) 157
Absolute limiting efficiencies for photovoltaic energy conversion, G.L. Araújo and A. Martí 33 (1994) 213

Photovoltaics, general properties and types

A choice of the position of receiver with photocells in parabolic trough concentrator, V.I. Kabakov and L.B. Levin 33 (1994) 45
Quantum efficiencies exceeding unity in silicon leading to novel selection principles for solar cell materials, S. Kolodinski, J.H. Werner and H.J. Queisser 33 (1994) 275
New low cost solar tracker, V. Poulek 33 (1994) 287

Polycrystalline silicon

The effect of material inhomogeneities on the characteristics of semicrystalline silicon solar cells: the second diode, P.E. Mijnarends, G.J.M. Janssen and W.C. Sinke 33 (1994) 345

Reflectivity

A note on the net radiation method applied to a system composed of a semitransparent film between two glazings, J. Zeegers and H.A.L. van Dijk 33 (1994) 23
Performance and stability of some new high-temperature selective absorber systems based on metal/dielectric multilayers, J.H. Schön, G. Binder and E. Bucher 33 (1994) 403

Reflector materials, degradation

Silvered-PMMA reflectors, P. Schissel, G. Jorgensen, C. Kennedy and R. Goggin 33 (1994) 183

Reflector materials, polymer substrates

Silvered-PMMA reflectors, P. Schissel, G. Jorgensen, C. Kennedy and R. Goggin 33 (1994) 183

Reflector materials, protective coatings

Vanadium dioxide/polymer composites: thermochromic behaviour and modelling of optical transmittance, J.C. Valmalette and J.R. Gavarri 33 (1994) 135

Scanning electron microscope examination of materials

SEM investigation of structural defect hydrogen passivation in silicon, E.A. Katz, A.E. Luk'yanov, N.A. Butylkina and B.N. Evtody 33 (1994) 51
The effect of the inner structure on the absorptance of cement based exterior coatings, S. Dilmaç and F. Tepehan 33 (1994) 199

Schottky barriers

The mechanism of the oxygen annealing in gold surface barriers on CdS_xSe_{1-x} devices, A.M. Al-Dhafiri and A.A.I. Al-Bassam 33 (1994) 177

Selective absorbers, chromium

The influence of various substrate treatments on morphology and selective absorber characteristics of electrochemical black chrome, J. Quintana and P.J. Sebastian 33 (1994) 465

Selective absorbers, composites and cermets

Vanadium dioxide/polymer composites: thermochromic behaviour and modelling of optical transmittance, J.C. Valmalette and J.R. Gavarri 33 (1994) 135
Computations of the optical properties of metal/insulator-multilayers for solar thermal applications, R. Kirchner, M.Ch. Lux-Steiner, E. Liebemann and E. Bucher 33 (1994) 453

Selective absorbers, paints

Photoconductivity in $CuInSe_2$ films, R. Pal, K.K. Chattopadhyay, S. Chaudhuri and A.K. Pal 33 (1994) 241

Selective absorbers, theory and general systems

Computations of the optical properties of metal/insulator-multilayers for solar thermal applications, R. Kirchner, M.Ch. Lux-Steiner, E. Liebemann and E. Bucher 33 (1994) 453

Selective surfaces, theory and general materials

Performance and stability of some new high-temperature selective absorber systems based on metal/dielectric multilayers, J.H. Schön, G. Binder and E. Bucher 33 (1994) 403

Semiconductor thin films

Structural and electrical properties of RF sputtered Cu/Te/CdTe contact, F. Debbagh, E.L. Ameziane, M. Azizan and M. Brunel 33 (1994) 117
Improved quality a-SiC:H films prepared by photo chemical vapour decomposition of silane and acetylene, S. Ray, S. Ghosh, A. De and A.K. Barua 33 (1994) 517

Sensitization

Photoelectrochemical properties of rhodamine-C_{18} sensitized p-CuSCN photoelectrochemical cell (PEC), C.A.N. Fernando, A. Kitagawa, M. Suzuki, K. Takahashi and T. Komura 33 (1994) 301
Sensitized photocatalytical oxidation of terbutylazine, H. Ross, J. Bendig and S. Hecht 33 (1994) 475

Silicon

Quantum efficiencies exceeding unity in silicon leading to novel selection principles for solar cell materials, S. Kolodinski, J.H. Werner and H.J. Queisser 33 (1994) 275
The effect of material inhomogeneities on the characteristics of semicrystalline silicon solar cells: the second diode, P.E. Mijnarends, G.J.M. Janssen and W.C. Sinke 33 (1994) 345

Solar absorber–convertors

Vanadium dioxide/polymer composites: thermochromic behaviour and modelling of optical transmittance, J.C. Valmalette and J.R. Gavarri 33 (1994) 135

Solar cell arrays

New low cost solar tracker, V. Poulek 33 (1994) 287

Solar cells

2-Dimensional simulation of high efficiency silicon solar cells, B. Delley and H. Kiess 33 (1994) 1

Solar thermophotovoltaics: brief review and a new look, P.A. Davies and A. Luque 33 (1994) 11
Comprehensive evaluation of ITO thick films produced under optimum annealing conditions, F. Barlow, M.A. Naby, A. Joshi and A. Elshabini-Riad 33 (1994) 63
II–VI thin-film polycrystalline multilayer converters for solar photovoltaics, Yu.N. Bobrenko, V.V. Kislyuk, K.V. Kolezhuk, V.N. Komashchenko, S.Yu. Pavelets and T.E. Shengeliya 33 (1994) 83
An InP solar cell with a light-trapping front surface, P. Jenkins, G.A. Landis, N.S. Fatemi, D. Scheiman, X. Li and S.G. Bailey 33 (1994) 125
The mechanism of the oxygen annealing in gold surface barriers on CdS_xSe_{1-x} devices, A.M. Al-Dhafiri and A.A.I. Al-Bassam 33 (1994) 177
Absolute limiting efficiencies for photovoltaic energy conversion, G.L. Araújo and A. Martí 33 (1994) 213
Photoelectrochemical properties of rhodamine-C_{18} sensitized p-CuSCN photoelectrochemical cell (PEC), C.A.N. Fernando, A. Kitagawa, M. Suzuki, K. Takahashi and T. Komura 33 (1994) 301
On the efficiency of photon recycling in solar cells, H. Reuter and H. Schmitt 33 (1994) 369
Analysis of thin silicon solar cells for high efficiency, S.K. Datta, K. Mukhopadhyay, P.K. Pal and H. Saha 33 (1994) 483

Solar collectors

Silvered-PMMA reflectors, P. Schissel, G. Jorgensen, C. Kennedy and R. Goggin 33 (1994) 183
Computations of the optical properties of metal/insulator-multilayers for solar thermal applications, R. Kirchner, M.Ch. Lux-Steiner, E. Liebemann and E. Bucher 33 (1994) 453

Solar concentrators

New low cost solar tracker, V. Poulek 33 (1994) 287

Solar furnace

The use of indigenous materials for solar conversion, U. Oelher and W. Scheffler 33 (1994) 379

Solar heating

Preliminary study of a heat storage unit using a solid–solid transition, J. Font, J. Muntasell and F. Cardoner 33 (1994) 169
The use of indigenous materials for solar conversion, U. Oelher and W. Scheffler 33 (1994) 379

Solar radiation

A choice of the position of receiver with photocells in parabolic trough concentrator, V.I. Kabakov and L.B. Levin 33 (1994) 45
The use of indigenous materials for solar conversion, U. Oelher and W. Scheffler 33 (1994) 379

Spectral response

Electrochromism in cobalt oxide thin films grown by anodic electroprecipitation, C.N. Polo da Fonseca, M.-A. De Paoli and A. Gorenstein 33 (1994) 73

Characteristics of laminated electrochromic devices using polyorganodisulfide electrodes, C.M. Lampert, S.J. Visco, M.M. Doeff, Y.P. Ma, Y. He and J.-C. Giron 33 (1994) 91
On the determination of minority carrier diffusion length in the base region of n^+-p-p^+ silicon solar cells using photoresponse methods, P.K. Basu and S.N. Singh 33 (1994) 317

Sputtered coatings

Optical and structural properties of RF sputtered a-C:H films, E. Ech-chamikh, E.L. Ameziane, A. Bennouna, M. Azizan, Y. Bounouh, M.L. Thèye, J. Cernogora and J.L. Fave 33 (1994) 361
Performance and stability of some new high-temperature selective absorber systems based on metal/dielectric multilayers, J.H. Schön, G. Binder and E. Bucher 33 (1994) 403
Structural, electrical and optical properties of RF sputtered a-C films, E. Ech-chamikh, E.L. Ameziane, M. Azizan, A. Bennouna, J.L. Fave, J. Cernogora, Y. Bounouh and M.L. Thèye 33 (1994) 443

Structural properties

Structural and electrical properties of RF sputtered Cu/Te/CdTe contact, F. Debbagh, E.L. Ameziane, M. Azizan and M. Brunel 33 (1994) 117
Structural, electrical and optical properties of RF sputtered a-C films, E. Ech-chamikh, E.L. Ameziane, M. Azizan, A. Bennouna, J.L. Fave, J. Cernogora, Y. Bounouh and M.L. Thèye 33 (1994) 443

Textured surfaces

An InP solar cell with a light-trapping front surface, P. Jenkins, G.A. Landis, N.S. Fatemi, D. Scheiman, X. Li and S.G. Bailey 33 (1994) 125

Thermal energy storage

Vanadium dioxide/polymer composites: thermochromic behaviour and modelling of optical transmittance, J.C. Valmalette and J.R. Gavarri 33 (1994) 135
Preliminary study of a heat storage unit using a solid–solid transition, J. Font, J. Muntasell and F. Cardoner 33 (1994) 169

Thermal storage media

Preliminary study of a heat storage unit using a solid–solid transition, J. Font, J. Muntasell and F. Cardoner 33 (1994) 169

Thin film solar cells

Analysis of thin silicon solar cells for high efficiency, S.K. Datta, K. Mukhopadhyay, P.K. Pal and H. Saha 33 (1994) 483

Thin films

Electrochromism in cobalt oxide thin films grown by anodic electroprecipitation, C.N. Polo da Fonseca, M.-A. De Paoli and A. Gorenstein 33 (1994) 73
Photoelectrochemical characterization of sprayed tungsten oxide thin films, P.S. Patil and P.R. Patil 33 (1994) 293
Optical and structural properties of RF sputtered a-C:H films, E. Ech-chamikh, E.L. Ameziane, A. Bennouna, M. Azizan, Y. Bounouh, M.L. Thèye, J. Cernogora and J.L. Fave 33 (1994) 361
Performance and stability of some new high-temperature selective absorber systems based on metal/dielectric multilayers, J.H. Schön, G. Binder and E. Bucher 33 (1994) 403
Sol gel preparation of mixed cerium–titanium oxide thin films, D. Kéomany, C. Poinsignon and D. Deroo 33 (1994) 429
Improved quality a-SiC:H films prepared by photo chemical vapour decomposition of silane and acetylene, S. Ray, S. Ghosh, A. De and A.K. Barua 33 (1994) 517

Titanium compounds

Sol gel preparation of mixed cerium–titanium oxide thin films, D. Kéomany, C. Poinsignon and D. Deroo 33 (1994) 429

Titanium dioxide

Sol gel preparation of mixed cerium–titanium oxide thin films, D. Kéomany, C. Poinsignon and D. Deroo 33 (1994) 429
Sensitized photocatalytical oxidation of terbutylazine, H. Ross, J. Bendig and S. Hecht 33 (1994) 475

X-ray diffraction

The effect of the inner structure on the absorptance of cement based exterior coatings, S. Dilmaç and F. Tepehan 33 (1994) 199
Sol gel preparation of mixed cerium–titanium oxide thin films, D. Kéomany, C. Poinsignon and D. Deroo 33 (1994) 429
The influence of various substrate treatments on morphology and selective absorber characteristics of electrochemical black chrome, J. Quintana and P.J. Sebastian 33 (1994) 465